## **Project Leader Approval Checklist**

N-num	ber of th	is compl	eted	checklist: ISO TC184/SC4/ wg10N340
Name	of person	n who co	mple	eted this checklist Matthew West
Date this checklist was completed 2001-06-08				
Dogue	ent revi	arrad		
	rd ISO1			
Part 1				
Edition	1			
	Committe	a Draft		
_			C4/V	WG10 N337
IN-Hulli	Del. 13O	10104/3	3C4/	WG101N33/
				g and submitting to the Secretariat documents at any stage of approval may be found at ww/stdsumm.htm
				porting documents for SC4 part developers may be found at <a href="https://ww/necsdocs.htm">ww/necsdocs.htm</a>
		ion, chec		e box that applies. If "N/A" (not applicable) is checked, explain the reason the question is not field.
				PROJECT TEAM REVIEW
				TROJECT TEAM REVIEW
YES	NO	N/A		
$\boxtimes$			1.	Members of the project team and reviewers are adequately trained to perform the roles they are assigned.
				Comments:
			2.	The completed internal review documents submitted by the project team to the project leader are dated and signed by the project team member assigned to Quality Committee and the person who performed the review.
				Comments:
$\boxtimes$			3.	The project team has used the task assignments from QC Procedures for Internal Review. The N-number of the version used is <a href="ISO TC184/SC4/QC N110">ISO TC184/SC4/QC N110</a> .
				All applicable tasks are completed for the part class as stated in Table 1 of Procedures for Internal Review.
				Some tasks were omitted because they were unclear or did not apply. Feedback regarding improvements to the Procedures for Internal Review was sent to the QC exploder (qc@cme.nist.gov).
				Comments: No EXPRESS in this part.
		$\boxtimes$	4.	The project team, in the summary report, has collected, reviewed, and recorded all SEDS that affect project development.
				Comments:

YES	NO	N/A		
			5.	All issues and errors identified in the internal review have been resolved or recorded.
				Comments:
				PART STAGE
$\boxtimes$			6.	This part is at stage:
				Stage 6 (IS).
				Stage 5 (FDIS).
				Stage 4 (DIS).
				Stage 3 (CD).
				Stage 2 (WD) Industry Review.
				Comments:
				ISSUE LOG
		$\boxtimes$	7.	The issue log is up-to-date for the stage of the part:
				At Stage 3, there is evidence of active issue resolution (open issues are permitted).
				At Stage 4, there are no open technical issues (though there may be open editorial issues).
				☐ At Stage 5, there are no open issues.
				Comments: No formal issues log exists for this document. Changes to the document have been based on minuted agreements from WG10 meetings.
		$\boxtimes$	8.	The issue log is in the proper format for the stage of the part:
				At Stage 3, the issue log is legible, easy to read, and complete.
				At Stage 4 and Stage 5, the issue resolutions are recorded using ISO Form 13B. (See <a href="http://www.nist.gov/sc4/forms/form13b/">http://www.nist.gov/sc4/forms/form13b/</a> .)
				Comments: No formal issues log exists for this document. Changes to the document have been based on minuted agreements from WG10 meetings.
				COPYRIGHT
If the pa	rt is at S	Stage 4	or be	eyond, check the following items:
			9.	The copyright symbol and statement are on the bottom of page ii. They are correct and as specified by the Supplementary Directives for the Drafting and Presentation of ISO 10303 (SD). (See 4.2.2 of the SD.)
				Comments:
			10.	The correct copyright symbol is on page 1, and it is as specified by the SD. (See 4.1.4 of the SD.)
				Comments: Copyright is present on all pages as per QC N180

YES	NO	N/A		
	$\boxtimes$		11.	Each page of the document has the correct page header with the copyright symbol as specified by the SD. (See 4.1.1 of the SD.)
				Comments: Each page has the correct page footer with copyright, as per QC N180
				COVER PAGE
			12.	The cover page has the correct format, structure, and content. (See 4.2.1, annex A of the SD, <a href="http://www.nist.gov/sc4/editing/cover">http://www.nist.gov/sc4/editing/cover</a> , and <a href="http://www.nist.gov/sc4/editing/cover/cov_read.htm">http://www.nist.gov/sc4/editing/cover/cov_read.htm</a> .)
				Comments: : ISO 10303 format of cover page does not apply (although that used here is equivalent)
$\boxtimes$			13.	The N-number is present, identifies a unique document, and matches the WG document log.
				The document is the initial publication; the "Supersedes" field is blank.
				The document has been released previously; the "Supersedes" field contains the N-number of the last published version.
				Comments:
$\boxtimes$			14.	The date is present with the format YYYY -MM-DD. (See <a href="http://www.nist.gov/sc4/editing/cover/cov_read.htm">http://www.nist.gov/sc4/editing/cover/cov_read.htm</a> .)
				Comments:
$\boxtimes$			15.	The part number and title have been verified with the SC4 Secretariat as being the same as that registered by TC 184/SC4 for the project.
				Comments:
$\boxtimes$			16.	The title matches the title listed by the SC4 Secretariat and registered with ISO for the project.
				Comments:
			17.	The ballot stage and ballot cycle are indicated.  (See <a href="http://www.nist.gov/sc4/editing/cover/cov">http://www.nist.gov/sc4/editing/cover/cov</a> read.htm.)
				Comments:
$\boxtimes$			18.	The abstract is present, concise, unambiguous, supports the scope of the part, does not arbitrarily introduce new wording beyond that in the scope statement.
				Comments:
$\boxtimes$			19.	The keywords are appropriate for searches by interested parties.
				Comments:
			20.	The Project Leader and Part Editor are specified and are as recorded by TC184/SC4; names, addresses, telephone/FAX numbers, and e-mail addresses are present.
				Comments: Data is present and correct; however, some of the information in the SC4 database is out of date
			21.	The "Comments to Reader" field contains the required text and other text appropriate for the audience of the part during this ballot cycle.  (See <a href="http://www.nist.gov/sc4/editing/cover/cov_read.htm">http://www.nist.gov/sc4/editing/cover/cov_read.htm</a> .)
	_	_		Comments:
		Ш	22.	The "Copyright Notice" field of the cover contains the required text for the ballot release Stage of the part. (See <a href="http://www.nist.gov/sc4/editing/cover/cov_read.htm">http://www.nist.gov/sc4/editing/cover/cov_read.htm</a> .)
				NOTE: WD and CD copyright statements are different than DIS and FDIS.
				Comments:

## CONTENTS, ANNEXES, FIGURES, AND TABLES

$\boxtimes$		23. The Table of Contents (TOC) starts on page iii (right-hand side of the document) as specified by the SD. (See 4.2.2 of the SD.)
		Comments:
$\boxtimes$		24. The TOC is complete and contains the information as specified by the SD. (See 4.2.2 and 8.1 of the SD.)
		Comments:
$\boxtimes$		25. All figures and tables have a title and are presented in the format as specified by the SD. (See 4.5.1 and 4.5.2 of the SD.)
		Comments:
$\boxtimes$		26. The Index is present and starts on the page specified by the TOC as specified by the SD. (See 4.2. of the SD.)
		Comments:
$\boxtimes$		27. There are no font sizes smaller that 2.5mm in height or 8pt size appear in any of the text, diagrams, figures, or tables as specified by the SD. (See 4.1.3 of the SD.)
		Comments:
$\boxtimes$		28. All notes and examples in the text of the document appear as specified in the SD. (See 4.5.3 and 4.5.4 of the SD.)
		Comments:
		FOREWORD AND INTRODUCTION
$\boxtimes$		29. The Foreword starts on a new page and the required text is as specified by the SD. (See 4.2.3.2 of the SD.)
		Comments:
$\boxtimes$		30. The list of parts documented in the Foreword is current. For 10303 parts reference SOLIS at <a href="http://www.nist.gov/sc4/editing/step/titles">http://www.nist.gov/sc4/editing/step/titles</a> and as specified by the SD. (See 4.2.3.2 of the SD.) The titles were downloaded from SOLIS on (date).
		Comments: URL references www.iso18876.org
$\boxtimes$		31. The Introduction starts on a new page. (See 4.2.4 of the SD and 6.1.4 of ISO/IEC Directives Part 3:1997.)
		Comments:
$\boxtimes$		32. The Introduction states the required knowledge-base necessary for understanding this part.
		Comments:
$\boxtimes$		33. The Introduction explains the industry need for this part and does not imply a broader or narrower focus of types of information covered than specified by the Scope statement.
		Comments:
		34. The Introduction states the purpose of this part and is unambiguous, concise, and understandable.
		Comments:
$\boxtimes$		35. The Introduction identifies the application domain for using this part.
		Comments:

YES	NO	N/A		
$\boxtimes$			36.	Relationships with other parts under SC4 control have been identified and referenced within this part as specified by the SD. (See 4.2.4 of the SD.)
				Comments:
				SCOPE
$\boxtimes$			37.	The Scope for the part begins on page 1 (right -hand side of the document) and the format of the page is correct as specified by the SD, including the header that is different from all other page headers for the part. (See 4.1.4 and 4.3.1.1 of the SD, and QC N151.)
				Comments:
$\boxtimes$			38.	The required text is as specified by the SD. (See 4.3.1.2., 6.2, 7.1, and 8.2 of the SD.)
				Comments:
$\boxtimes$			39.	The Scope statement is complete and defines the extent of the subject matter as specified by the SD (See 4.3.1.2., 6.2, 7.1, and 8.2 of the SD and for APs 4.1 of Guidelines for the development and approval of STEP application protocols (APG).)
				Comments:
		$\boxtimes$	40.	Types of data supported are easily identifiable from the Scope statement.
				Comments:
		$\boxtimes$	41.	Discipline views that are supported are easily identifiable from the Scope statement.
				Comments:
		$\boxtimes$	42.	Life-cycle stages supported are easily identifiable from the Scope statement.
				Comments:
		$\boxtimes$	43.	Types of data not supported are easily identifiable from the Scope statement.  Comments:
		$\boxtimes$	44.	Discipline views that are not supported are easily identifiable from the Scope statement.
				Comments:
		$\boxtimes$	45.	Life-cycle stages not supported are easily identifiable from the Scope statement.
				Comments:
$\boxtimes$			46.	All in-scope and out-of-scope aspects of the part are identified and properly separated as specified by the SD. (See 4.3.1.2 of the SD.)
				Comments:
$\boxtimes$			47.	The scope as stated in the original New Work Item for this part:
				has been increased. A New Work Item will be initiated on (date).
				has been decreased. A New Work Item will be initiated on (date).
				is affected by a SEDS report. The SEDS report(s) are: (date).
				is unchanged.
				Comments: Wording of the scope statement has been refined but the scope itself is unchanged Suggest that the SC4 database should be updated.

YES	NO	N/A	
		$\boxtimes$	48. The working group convener and the SC4 Secretariat have been notified of the Scope changes by this Project Leader:
			Yes. The notification occurred on (date).
			The Scope is unchanged.
			Comments:
$\boxtimes$			49. The Scope statement is complete, concise, unambiguous, and conveys the extent of the part in terms that are understandable to an engineering user, an application domain expert, and a software implementor.
			Comments:
$\boxtimes$			50. No user requirements or definitions appear in the scope statement as specified by the SD and ID3. (See 4.6 of the SD and 6.6.6 of ISO/IEC Directives Part 3:1997.)
			Comments:
$\boxtimes$			51. All issues related to the Scope have been resolved.
			Comments: Scope issues addressed in working sessions of the project and of WG10
			NORMATIVE REFERENCES
$\nabla$			52. All standards and tashnical analifications referenced in normative tout (including other SCA
			52. All standards and technical specifications referenced in normative text (including other SC4 standards) have been identified in clause 2 as specified by the SD. (See 4.3.1.3, 6.3, 7.2, and 8.3 of the SD.)
			Comments:
$\boxtimes$			53. References to normative sources are only found in the normative text of this part. No normative references appear in NOTEs, EXAMPLEs, or informative annexes.
			Comments:
		$\boxtimes$	54. If this part is at Stage 4 (DIS) or higher, all ISO standards normatively referenced are also at Stage 4, or higher.
			Comments:
			DEFINITIONS, SYMBOLS, AND ABBREVIATIONS
			55. All terms used in this part from other ISO standards (including TC 184/SC4 parts) are listed under a subclause for each part or standard in clause 3 as specified by the SD. (See 4.3.2.1 of the SD.)
			Comments: terms are listed in alphabetical order. Where relevant a reference to the standard they are taken from is placed underneath
		$\boxtimes$	56. All definitions of terms that conflict with current definitions of the same term(s) defined in other TC 184/SC4 parts have been defined in clause 3. A NOTE has been included with the definition to alert the reader of the difference.
			Comments:
	$\boxtimes$		57. Terms specific to the application domain of this part that are not found in other publicly available standards have been identified and defined in clause 3.x, "Other terms and definitions."
			Comments: See answer to Q55.

YES	NO	N/A				
		$\boxtimes$	58.		. All defined terms h	are unambiguous, concise, and understandable ave non-circular definitions. A definition is appears in the definition.
				Comments:		
			59.		discouraged in ISO	clause 3 as specified by the SD. Note: parts. When they are permitted, document SD.)
				Comments:		
					EXPRESS	
		$\boxtimes$	60.	The EXPRESS schemas w versions used were the following		en successfully compile d. The compilers and use multiple compilers.)
				Compiler	Version	Platform
						<del></del>
					-	<del></del>
				Comments:		
		$\boxtimes$	61.	There is a one-to-one correand the EXPRESS-G diagram		EXPRESS entity and type between the schema
				Comments:		
				AAM (IS	SO 10303 AP ONLY)	
			62.		or the domain expert a	Ms), and activities this part defines and their nd software implementor as specified by the <i>f the APG</i> .)
				Comments:	J	,
			63.	*		ified and are indicated with an asterisks as 2 of the SD and 4.7 of the APG.)
				Comments:		,
			64.	Each in-scope activities an	d ICOMs are traceab	le to the scope. (See clause 5 of the APG.)
				Comments:		
			65.		ort this approval is do	ood, and is approved by appropriate industry cumented in the AP Validation Report as APG.)
				Comments:		
				APPLICATION REFERE	ENCE MODEL (ISO 1	0303 AP ONLY)
			66.	The Introduction for this p (See clause 4 of the APG.)	•	anning model as specified by the APG.
				Comments:		

YES	NO	N/A	
			67. All units of functionality (UOFs) are defined and have been reviewed, are understood, and are approved by appropriate industry experts as required by the APG. (See clauses 4 and 5 of the APG.)
			Comments:
			68. Each UOF has a name appropriate for its functionality and is unique across the set of UOFs and application objects (AOs) in this part as specified by the SD and the APG. (See 8.5.1 of the SD and 4.4.1 and 5.3 of the APG.)
			Comments:
			69. All UOFs are within the scope of this part.
			Comments:
			70. UOF harmonization, with other ISO 10303 parts with similar UOF requirements and identical UOF names, is complete.
			☐ None apply
			UOFs used from other APs are listed below.
			UOFs used:
			Comments:
			71. There is a one-to-one correspondence between the set of AOs listed in the UOFs in clause 4.1 and the set of AOs defined in clause 4.2.
			Comments:
			72. All application objects (AO) are defined, have been reviewed, are understood, and are approved by appropriate industry experts.
			Comments:
			73. There is a one-to-one correspondence between the AOs defined in clause 4 and the ARM diagrams in annex G of this part.
			Comments:
			74. Each AO name is unique across the set of 10303 application protocols and does not share its name with an attribute name or UOF name within this part. An exception to this rule is management resource subtypes. The following parts/subtype names are shared:
			Comments:
			75. No integrated resource (IR) term or definition is found in the information requirements clause except by written request from the industry review experts to which this application protocol is designed to assist.
			Comments:
			MAPPING TABLE (ISO 10303 AP ONLY)
			76. Interpretation of the ARM has been performed by qualified resources. The interpretation was performed by the following individuals:
			Comments:
			77. The complete interpretation report is included with the AP Validation Report as required the APG. (See 5.4.1 and 5.6.1 of the APG.)
			Comments:

YES	NO	N/A	
			78. All pruning is identified and the rationale for why such pruning is required is documented in subclause 5.2.1 Fundamental concepts and assumptions of this part as specified by the APC (See 4.5 and 5.4 of the APG.)
			Comments:
			79. Each application element (AE), attribute and assertion from clause 4 appears at least once in the mapping table.
			Comments:
			80. Each source specified in the mapping table is accurate for the reference path stated and is according to the Guidelines for the development of mapping tables (MTG), APG, and SD. (See document MTG, 4.5 of the APG and 8.6 of the SD.)
			Comments:
			81. Each rule in the mapping table is found in clause 5.2.n and is identified at the end of the mapping table.
			Comments:
			82. Each AE has a complete entry in the "reference path" column of the mapping table. The phrases "NO MAPPING" or "PARTIAL MAPPING" do not appear in the mapping table of this part.
			Comments:
			AIM SHORT FORM (ISO 10303 AP AND AIC ONLY)
			83. The schema and entity information in the USE FROM statements in the short form and the "source" and "reference path" in the mapping table agree with the integrated resources.
			Comments:
			84. The USE FROM statements appear at the beginning of the schema and are identified to the I from which they come as specified by the SD. (See 8.6.2 of the SD.)
			Comments:
			85. AIC requirements are satisfied for this part.
			☐ The appropriate AICs have been correctly referenced and used.
			No AIC(s) is/are required.
			Comments:
			86. New AIC(s) is/are under development as a New Work Item.
			Comments:
			87. The short form contains all application-specific entities, rules, and functions.
			Comments:
			88. The short form has been compiled. The compilers and versions used were the following: (Suggestion: use multiple compilers.)
			Compiler Version Platform
			Comments:

YES	NO	N/A	
			CONFORMANCE REQUIREMENTS (ISO 10303 AP ONLY)
			89. Each conformance class is identified in a table in clause 6 as specified by the SD and the APG. (See 8.7 of the SD and 4.6 and 5.5 of the APG.)
			Comments:
			REQUIRED SUPPORTING DOCUMENTATION (ISO 10303 AP ONLY)
			90. The Validation Report is complete for the stage of the part in question as required by the APG. (See 5.6 of the APG.)
			Comments:
			91. Annex L contains usage scenarios and usage tests for the part as specified by the SD and the APG. The Usage Scenario aneex is optional but you are strongly encouraged to include it. (See 8.8.3 of the SD and 4.7 5.6.1 of the APG.)
			Yes. The usage scenarios reflect the scope of the part.
			☐ No. Convener and project team have agreed that usage scenarios are not needed at this stage for this part.
			Comments:
			92. There is an annex containing technical discussions about this part (Annex M if there is a Usage Scenarios annex; Annex L otherwise). The technical discussions annex is optional, but you are strongly encouraged to include it. (See 8.8.3.2 of the SD and 4.7 of the APG.)
			Yes. The Technical Discussion annex is concise and contains useful and clarifying information about this part.
			No. The convener and project leader have agreed that technical discussions are not needed at this stage for this part.
			Comments:
			93. The Abstract Test Suite that corresponds to this part is appropriately complete for the part's stage:
			☐ At Stage 3, the test purposes are in work.
			At Stage 5, the abstract test suite is complete.
			Comments:
APPRO	OVAL		
I have	reviewe	d and ve	rified the items on this document.
Matthe	ew West	t	2001-06-08
Name			Date